

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**
**Complete if Known**

Date of Submission: February 4, 2001

(use as many sheets as necessary)

Sheet 1 of 3

Application Number	Unassigned
Filing Date	September 24, 2001
First Named Inventor	Roy A. BLACK et al.
Group Art Unit	Unassigned
Examiner Name	S. Zhou
Attorney Docket Number	016761/0170

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
KK	A1	5,011,912		HOPP et al.	04/30/91	
KK	A2	5,583,973		DELISI et al.	12/10/96	
↓	A3	5,594,106		BLACK et al.	01/14/97	
↓	A4	5,702,935		SACCHETTINI et al.	12/30/97	
KK	A5	5,830,742		BLACK et al.	11/03/98	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
KK	A6	EP	EP0646599	A2		04/05/95		
↓	A7	WO	95/35367			12/28/95		
↓	A8	WO	96/41624			12/27/96		
↓	A9	WO	97/15588			05/01/97		
↓	A10	GB	2306961	A		05/14/97		
KK	A11	WO	97/08300			03/06/97		
KK	A12	WO	97/35538			10/02/97		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>6</sup>
KK	A13	BEMELMANS et al.	Critical Review in Immunology, 16: 1-11 (1996).	
↓	A14	BLACK et al.	Biochemical & Biophysical Research Communications, 225: 400-405 (1996).	
↓	A15	BLACK et al.	Nature, 385: 729-733 (1997).	
↓	A16	BODE et al.	Febs Letters, 331: 134-140 (1993).	

Examiner Signature

Kathleen

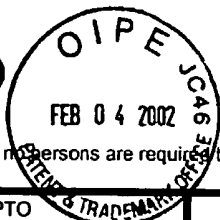
Date Considered

6/17/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Complete if Known**

Date of Submission: February 4, 2001

(use as many sheets as necessary)

Sheet 2 of 3

Application Number	Unassigned
Filing Date	September 24, 2001
First Named Inventor	Roy A. BLACK et al.
Group Art Unit	Unassigned
Examiner Name	S. Zhou
Attorney Docket Number	016761/0170

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
KK	A17	CIRILLI et al. Febs Letters, 418: 319-322 (1997).	
KK	A18	DECICCO et al. Abstracts of Papers American Chemical Society, 214: 96 (1997).	
	A19	DIMARTINO et al. Inflammation Research, 46: 211-215 (1997).	
✓	A20	EVANS J. Mol. Graphics, 11: 127-128 & 134-138 (1993).	
KK	A21	GILLILAND et al. "Crystalization of Biological Macromolecules for X-Ray Diffraction Studies. Current Opinion in Structural Biology," 6: 595-603 (1996).	
	A22	GLUZMAN Cell, 23: 175-182 (1981).	
	A23	GOMIS-RUTH et al. The Embo Journal, 12: 4151-4157 (1993).	
	A24	GOMIS-RUTH et al. J. Mol. Biol., 239: 513-544 (1994).	
	A25	GOMIS-RUTH et al. Nature, 389: 77-81 (1997).	
	A26	GOMIS-RUTH et al. Protein Science, 7: 283-292 (1998).	
	A27	GRAMS et al. Eur. J. Biochem, 228: 830-841 (1995).	
	A28	HOPP et al. Bio/Technology, 6: 1204-1210 (1988).	
	A29	JONES et al. Nature, 338: 225-228 (1989).	
	A30	KAUFMAN Methods in Enzymology - Gene Expression Tech. 185: 537-566 (1990).	
	A31	LUCKOW et al. Bio/Technology, 6: 47-55 (1988).	
	A32	LUNN et al. Febs Letters, 400: 333-335 (1997).	
	A33	MASKOS et al. Proc. Natl. Acad. Sci., USA, 95: 3408-3412 (1998).	
✓	A34	MOSS et al. Nature, 385: 733-736 (1997).	
✓	A35	NICHOLLS et al. Grasp: Graphical Representation and Analysis of Surface Properties (Abstract TU-POS189)	

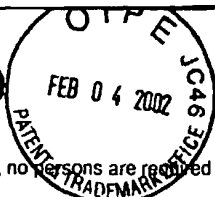
Examiner  
SignatureDate  
Considered

6/17/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Complete if Known</b>	
		Application Number	Unassigned
Date of Submission: February 4, 2001 (use as many sheets as necessary)		Filing Date	September 24, 2001
		First Named Inventor	Roy A. BLACK et al.
		Group Art Unit	Unassigned
		Examiner Name	S. Zhou
		Attorney Docket Number	016761/0170
Sheet	3	of	3

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
KK	A36	ROOKE et al. Science, 273: 1227-1231 (1996)	
	A37	<del>RUTENBERGER et al.</del> RUTENBERG et al. "Structure of a Non-Peptide Inhibitor Complexed With HIV-1 Protease," Journal of Biological Chemistry, 268: 15343-15346 (1993).	
	A38	SAUDEK et al. Biochemistry, 30: 7369-7372 (1991).	
	A39	SMITH "Mol View: A Program for Analyzing and Displaying Atomic Structures on the Macintosh Personal Computer," J. Mol. Graph., 13: 122 (1995).	
	A40	STOCKER et al. Protein Science, 4: 823-840 (1995).	
	A41	TANG et al. Biochemistry, 35: 8216-8225 (1996).	
	A42	TANG et al. Biochemistry, 35: 8226-8233 (1996).	
	A43	WOLFSBERG et al. Development Biology, 180: 389-401 (1996).	
	A44	ZHANG et al. Proc. Natl. Acad. Sci., USA, 91: 8447-8451 (1994).	
✓	A45	Table of Contents in Protein Engineering, Alan R. Liss, Inc., New York, NY	

Examiner Signature	<i>Kathy L.</i>	Date Considered	6/17/04
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.